Alessandro Triglia
Member of the Technical Staff
OSS Nokalva, Inc.
One Executive Drive, Suite 450
Somerset, NJ 08873
Phone: 732-302-9669 ext 234 sandro@oss.com

Topic:

The Biometric Interworking Protocol (ISO/IEC 24708) and its use in support of remote e-authentication

Abstract:

The BIP standard (ISO/IEC 24708) essentially specifies BioAPI framework-to-framework communications. It enables a BioAPI application running on a PC to use a BSP running on a different PC, to perform remote capture, remote verification, remote identification, remote enrollment, and so on, with limited changes to the application. BIP makes it easy for biometric devices installed on one system to be available for use by applications on another, and minimizes the cost of making biometric devices available to remote applications and the cost of replacement of those biometric devices. One conformance class of the BIP standard supports a configuration in which a BioAPI application communicates with a self-contained biometric device that may not actually contain a BioAPI framework. Lastly, BIP supports transmission of images and text between the PCs involved in a complex capture operation, in order to provide instructions or feedback to the subject or a supervisor regarding the ongoing capture.

Biography:

Alessandro Triglia is a Member of the Technical Staff at OSS Nokalva, Inc. He has been actively involved in the standardization of biometrics both as a member of the INCITS M1 technical committee (in representation of OSS Nokalva) and as a member of the US delegation to ISO/IEC JTC1 SC37 since early 2002. He has also been actively involved in the development of the ASN.1 international standards as a member of the joint ISO/IEC/ITU-T committee for ASN.1 since 2001. He regularly provides substantive contributions in both fields.

In the ASN.1 field, his main interests are the addition to ASN.1 of features related to XML (including the Extended XML Encoding Rules) and new applications of ASN.1 such as Fast Web Services.

In the biometrics field, his main interests are architectures, software interfaces, and conformance testing. The main international standards to which he has contributed in the biometrics field are BioAPI, CBEFF, and BIP. Alessandro is currently co-editor of three standards projects in SC37 -- CBEFF Part 3, BioGUI, and BIP.